

**Quarterly Report to the  
North Carolina General Assembly**

---

***Coal Combustion Residuals Surface  
Impoundments***

**3<sup>rd</sup> Quarter 2018**



**NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

ROY COOPER  
Governor

MICHAEL S. REGAN  
Secretary



## Department of Environmental Quality

### **Regulatory Background**

This report is submitted to meet the requirements of General Statute 130A-309.204, which requires the Department of Environmental Quality to submit quarterly reporting on operations, activities, programs and progress relating to coal combustion residuals surface impoundments. Specifically, General Statute (G.S.) 130A-309.204(a) states:

*The Department shall submit quarterly written reports to the Environmental Review Commission on its operations, activities, programs, and progress with respect to its obligations under this Part concerning all coal combustion residuals surface impoundments. At a minimum, the report shall include information concerning the status of assessment, corrective action, prioritization, and closure for each coal combustion residuals surface impoundment and information on costs connected therewith. The report shall include an executive summary of each annual Groundwater Protection and Restoration Report submitted to the Department by the operator of any coal combustion residuals surface impoundments pursuant to G.S. 130A-309.211(d) and a summary of all groundwater sampling, protection, and restoration activities related to the impoundment for the preceding year. The report shall also include an executive summary of each annual Surface Water Protection and Restoration Report submitted to the Department by the operator of any coal combustion residuals surface impoundments pursuant to G.S. 130A-309.212(e) and a summary of all surface water sampling, protection, and restoration activities related to the impoundment for the preceding year, including the status of the identification, assessment, and correction of unpermitted discharges from coal combustion residuals surface impoundments to the surface waters of the State. The Department shall supplement the written reports required by this subsection with additional written and oral reports as may be requested by the Environmental Review Commission. The Department shall submit the written reports required by this subsection whether or not the General Assembly is in session at the time the report is due.*

### **Report Structure**

This report is broken down by North Carolina Department of Environmental Quality Divisions of Water Resources, Waste Management, and Energy, Mineral, and Land Resources. The information provided is either on-going or has occurred since the submittal of the previous quarterly report.



North Carolina Department of Environmental Quality  
217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601  
919.707.8600

## Division of Water Resources

**Duke Energy facilities with Surface Impoundments.** Division of Water Resources regulates Surface Impoundments in accordance with the Coal Ash Management Act (CAMA) as well as the General Statute 143-215, *Control of Sources of Water Pollution; Permits Required* and State Administrative Code 15A NCAC 2L *Classification and Water Quality Standards Applicable to Groundwaters of the State*.

### **General Status of Surface Impoundments:**

The following are general status notes for all facilities, except where stated.

#### Corrective Action Status

Individual site-specific status notes included in the next section.

#### Prioritization and Closure Status [G.S. 130A-309.213]

Currently, all facilities are ranked either as high or intermediate priority.

- Facilities classified as high-risk per Session Law 2014-122 Section 3.(b) are:
  - Asheville Steam Station
  - Dan River Combined Cycle Station
  - Riverbend Steam Station
  - L.V. Sutton Energy Complex

High-risk impoundments are required to be closed no later than December 31, 2019. Proposed plans were submitted by December 31, 2016.

- Facilities classified as intermediate-risk per Session Law 2016-95 Section 3(a) are:
  - H. F. Lee Energy Complex
  - Cape Fear Steam Electric Plant
  - W. H. Weatherspoon Power Plant

These facilities have also been selected by Duke Energy for beneficiation under G.S. 130A-309.216. The Buck Combined Cycle Station has also been selected by Duke Energy for beneficiation, but is currently classified as intermediate risk. Per G.S. 130A-309.216(c), sites selected for ash beneficiation projects shall be closed no later than December 31, 2029.

- Facilities classified as intermediate risk per G.S. 130A-309.213 are:
  - Allen Steam Station
  - Belews Creek Steam Station
  - Buck Combined Cycle Station
  - James E. Rogers Energy Complex (formerly Cliffside Steam Station)
  - Marshall Steam Station
  - Mayo Steam Electric Plant

These facilities are still being considered for low risk and a final decision will be made based on criteria under G.S. 130A-309.213(d) no later than November 14, 2018. However, the owner of the coal combustion residuals can apply for a one-year extension for the alternate water provision.

Low-risk impoundments are required to be closed no later than December 31, 2029. A proposed closure plan for low-risk impoundments must be submitted no later than December 31, 2019. Intermediate-risk impoundments are required to be closed no later than December 31, 2024. A proposed closure plan for intermediate-risk impoundments must be submitted no later than December 31, 2019.

#### General Costs [G.S. 130-309.214(m)]

Costs are required to be included with the site closure plans and corrective action plans.

- Closure plans for the high-risk impoundments were submitted in January 2017 but were deemed incomplete by the North Carolina Department of Environmental Quality (DEQ). These plans included general cost estimates and were labeled confidential.
- Updated corrective action plans have yet to be submitted for all facilities.

#### Site Specific Actions of Surface Impoundments

The following site-specific actions and status notes have occurred since the submittal of the previous quarterly report.

#### Acronyms

The following acronyms may be used in the remaining sections.

- CAP – Corrective Action Plan
- CSA – Comprehensive Site Assessment
- DEQ – North Carolina Department of Environmental Quality
- DWR – Division of Water Resources
- EMC – Environmental Management Commission
- NPDES – National Pollution Discharge Elimination System
- SOC – Special Order by Consent

#### Allen Steam Station

- Assessment and Corrective Action Status
  - June 1, 2018 – DWR Mooresville Regional Office approved a revised aquifer test plan.
  - June 5, 2018 – DEQ received revised Coal Pile Assessment Plans from Duke Energy. On June 25, 2018, DWR Mooresville Regional Office approved the revised plan.
  - June 11, 2018 – DEQ sent comments to Duke Energy on their updated CSA Report.

- July 18, 2018 – DWR Mooresville Regional Office approved the revised surface water assessment plan.
- August 1, 2018 – DEQ receives a letter package from Duke Energy requesting confirmation of completion of the alternate water provisions and dam safety requirements under G.S. 130A-309.213(d)(1). DEQ is currently reviewing the package and will provide a response to Duke Energy shortly.
- Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.213(d), DEQ is required to issue a final classification by November 14, 2018. This final classification will determine the closure methods available for the impoundments.
- NPDES permit NC0004979
  - Permit was issued July 13, 2018 and became effective August 1, 2018.
- SOC S17-009
  - SOC was approved by the EMC on April 12, 2018.

#### Asheville Steam Electric Plant

- Assessment and Corrective Action Status
  - April 27, 2018 – DWR Asheville Regional Office approves the aquifer test plan.
  - April 27, 2018 – Duke Energy submits an effectiveness monitoring report for the interim corrective actions being performed at the site. On July 13, 2018, DWR Asheville Regional Office submits comments to Duke Energy and requested a revised report be submitted within 30 days.
  - June 21, 2018 – DEQ receives a Coal Pile Assessment Plan from Duke Energy. On July 31, 2018, DEQ conditionally approved the plan.
  - Duke Energy has yet to submit the updated CSA Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - 1964 Basin
    - Excavation of the impoundment in progress.
  - 1982 Basin
    - Impoundment completely excavated.
- NPDES permit NC0000396
  - Draft permit was sent to public notice and the comment period ends August 23, 2018. A public hearing is scheduled for August 22, 2018.
- SOC S17-010
  - The draft SOC is scheduled for review by the EMC on September 13, 2018. A public hearing is scheduled for August 22, 2018. Public comment period ends August 23, 2018.

#### Belews Creek Steam Station

- Assessment and Corrective Action Status
  - July 12, 2018 – Duke Energy submits plan to perform an aquifer test at the facility. On July 30, 2018, DWR Winston-Salem Regional Office approves the plan.
  - July 20, 2018 – Duke Energy submits an effectiveness monitoring report for the interim corrective actions being performed at the site. On July 26, 2018, DWR Winston-Salem Regional Office submits comments to Duke Energy and requested a revised report be submitted within 30 days.
  - Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.213(d), DEQ is required to issue a final classification by November 14, 2018. This final classification will determine the closure methods available for the impoundments.
- NPDES permit NC0024406
  - Draft permit was sent to public notice and the comment period ended July 30, 2018.
- SOC S18-004
  - SOC was approved by the EMC on July 12, 2018.

#### Buck Combined Cycle Station

- Assessment and Corrective Action Status
  - Duke Energy has yet to submit the updated CSA Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. Along with the Cape Fear Steam Electric Plant, H.F. Lee Energy Complex, and the W. H. Weatherspoon Power Plant, the Buck Combined Cycle Station was additionally selected for beneficial reuse. G.S. 130A-309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
- NPDES Permit NC0004774
  - Draft permit was sent to public notice. The public hearing will be held on June 13, 2018, and the comment period ends June 20, 2018.
- SOC S18-004
  - SOC was approved by the EMC on July 12, 2018.

#### Cape Fear Steam Electric Plant

- Assessment and Corrective Action Status
  - July 24, 2018 – DEQ receives a letter package from Duke Energy requesting confirmation of completion of the alternate water provisions requirements under G.S. 130A-309.211(c1). DEQ is currently reviewing the package and will provide a response to Duke Energy shortly.
  - Duke Energy has yet to submit the updated CSA Report. DEQ and Duke Energy are in the process of developing submittal dates.

- Closure Status
  - Per G.S. 130A-309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. The Cape Fear Steam Electric Plant was selected for beneficial reuse. G.S. 130A-309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
- NPDES permit NC0003433
  - Draft permit was sent to public notice. The comment period ended July 27, 2018.
- SOC S18-006
  - SOC is in development. There is a potential the SOC may be reviewed by the EMC in November.

#### James E. Rogers Energy Complex (Formerly Cliffside Steam Station)

- Assessment and Corrective Action Status
  - May 11, 2018 – Duke Energy submitted a request to perform an aquifer test on the site. On May 21, 2018, DWR Asheville Regional Office approved the plan.
  - July 18, 2018 – Duke Energy submits a Coal Pile Assessment Plan and a Gypsum Stack-Out Assessment Plan. On July 31, 2018, DEQ approved both plans.
  - Duke continues to assess a former coal ash storage area north of Broad River.
  - Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Inactive Units 1-4 are completely excavated. On August 10, 2018, DEQ approved the visual verification of CCR removal.
  - Per G.S. 130A-309.213(d), DEQ is required to issue a final classification by November 14, 2018. This final classification will determine the closure methods available for the impoundments.
- NPDES permit NC0005088
  - Permit was issued July 13, 2018 and becomes effective September 1, 2018.
- SOC S17-009
  - SOC was approved by the EMC on April 12, 2018.

#### Dan River Combined Cycle Station

- Assessment and Corrective Action Status
  - January 31, 2018 – Duke Energy submitted an updated CSA Report for the facility. On June 11, 2018, DEQ provided comments to Duke Energy regarding the CSA Report.
  - May 2, 2018 – Duke Energy submits a surface water characterization plan. On May 24, 2018, DEQ approved the plan.
  - August 3, 2018 – DEQ receives a letter package from Duke Energy requesting confirmation of completion of the alternate water provisions requirements under G.S. 130A-309.211(c1). DEQ is currently reviewing the package and will provide a response to Duke Energy shortly.

- Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Excavation at the site is currently underway.
- NPDES permit NC0003468
  - Permit was issued October 27, 2016 and became effective December 1, 2016.

#### H. F. Lee Energy Complex

- Assessment and Corrective Action Status
  - On January 18, 2018, DEQ received a work plan to address potential soil and groundwater contamination resulting from the triangle pond. On May 21, 2018, Duke Energy submitted closure documentation for soil excavation for the Triangle Pond. On June 12, 2018, DEQ approved the closure documentation for soil excavation for the Triangle Pond.
  - July 24, 2018 – DEQ receives a letter package from Duke Energy requesting confirmation of completion of the alternate water provisions requirements under G.S. 130A-309.211(c1). DEQ is currently reviewing the package and will provide a response to Duke Energy shortly.
  - Duke Energy has yet to submit the updated CSA Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. The H. F. Lee Energy Complex was selected for beneficial reuse. G.S. 130A-309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
- NPDES permit NC0003417
  - Currently in draft and waiting for submission to be re-public noticed.
- SOC S18-006
  - SOC is in development. There is a potential the SOC may be reviewed by the EMC in November.

#### Marshall Steam Station

- Assessment and Corrective Action Status
  - On January 31, 2018, Duke Energy submitted an updated CSA Report for the facility. This report is currently being reviewed by the DWR Mooresville Regional Office.
  - On May 11, 2018, Duke Energy submitted a request to perform an aquifer test on the site. On May 25, 2018, Duke Energy submits a revised plan based on DWR Mooresville Regional Office comments. On June 1, 2018, DWR Mooresville Regional Office approved the revised plan.
  - On May 26, 2018, Duke Energy submitted a surface water evaluation plan. On April 20, 2018, DWR sent Duke Energy a letter conditionally approving the plan. On May 1, 2018, Duke Energy submitted comments on the conditional approval



and a revised plan. On July 18, 2018, DWR Mooresville Regional office approved the revised plan.

- Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.213(d), DEQ is required to issue a final classification by November 14, 2018. This final classification will determine the closure methods available for the impoundments.
- NPDES permit NC0004987
  - Major permit modification completed. Modified permit was issued April 2, 2018 and became effective May 1, 2018.
- SOC S17-009
  - SOC was approved by the EMC on April 12, 2018.

#### Mayo Steam Electric Plant

- Assessment and Corrective Action Status
  - July 10, 2018 – Duke Energy submits aquifer test plan. On July 27, 2018, DWR Raleigh Regional Office approves the plan.
  - Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.213(d), DEQ is required to issue a final classification by November 14, 2018. This final classification will determine the closure methods available for the impoundments.
- NPDES permit NC0038377
  - Permit was issued July 13, 2018 and became effective August 1, 2018.
- SOC S18-005
  - SOC was approved by the EMC on August 15, 2018.

#### Riverbend Steam Station

- Assessment and Corrective Action Status
  - December 12, 2017 – DEQ received an updated excavation plan from Duke. DWR is reviewing the soil sampling portion of the plan and will be providing comments to Duke soon.
  - January 16, 2018 – DEQ received a Coal Pile Assessment Plan. On May 4, 2018, DEQ provided comments on the Coal Pile Assessment Plan to Duke Energy. On June 6, 2018, Duke Energy submits revised Coal Pile Assessment Plan. On July 19, 2018, DWR Winston-Salem Regional Office approves revised Coal Pile Assessment Plan.
  - August 10, 2018 – DEQ receives a letter package from Duke Energy requesting confirmation of completion of the alternate water provisions requirements under G.S. 130A-309.211(c1). DEQ is currently reviewing the package and will provide a response to Duke Energy shortly.

- Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Excavation at the site is currently underway.
- NPDES permit NC0004961
  - Permit was issued November 18, 2016 and became effective December 1, 2016.
- SOC S16-005
  - Signed by the Director November 10, 2016.

#### Roxboro Steam Electric Plant

- Assessment and Corrective Action Status
  - July 10, 2018 – Duke Energy submits aquifer test plan. On July 27, 2018, DWR Raleigh Regional Office approves the plan.
  - Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.213(d), DEQ is required to issue a final classification by November 14, 2018. This final classification will determine the closure methods available for the impoundments.
- NPDES permit NC0003425
  - Currently in draft and waiting for submission to be re-public noticed.
- SOC S18-005
  - SOC was approved by the EMC on August 15, 2018.

#### L. V. Sutton Energy Complex

- Assessment and Corrective Action Status
  - On January 31, 2018, Duke Energy submitted an updated CSA Report for the facility. On June 11, 2018, DEQ provided comments to Duke Energy on the updated CSA Report.
  - May 11, 2018 – Duke Energy submits an effectiveness monitoring report for the interim corrective actions being performed at the site. DWR Wilmington Regional Office is currently reviewing the documents and will provide comments soon.
  - June 6, 2018 – Duke Energy submits closure documentation for soil excavation in the Lay of Land Area. On July 10, 2018, DEQ approves the documentation for soil excavation.
  - June 29, 2018 – Duke Energy submits a Former Process Area Assessment Plan. On July 20, 2018, DEQ approves the Former Process Area Assessment Plan.
  - August 10, 2018 – DEQ receives a letter package from Duke Energy requesting confirmation of completion of the alternate water provisions requirements under G.S. 130A-309.211(c1). DEQ is currently reviewing the package and will provide a response to Duke Energy shortly.
  - Duke Energy has yet to submit the updated CAP Report. DEQ and Duke Energy are in the process of developing submittal dates.

- Closure Status
  - Excavation at the site is currently underway.
- NPDES permit NC0001422
  - Permit was issued September 30, 2017 and became effective October 1, 2017.

#### W. H. Weatherspoon Power Plant

- Assessment and Corrective Action Status
  - On December 19, 2017, DWR received an updated excavation plan from Duke. DWR is reviewing the soil sampling portion of the plan and will be providing comments to Duke soon.
  - On January 15, 2018, DWR received a Coal Pile Assessment Plan. On May 4, 2018, DWR sent Duke Energy a letter conditionally approving the Coal Pile Assessment Plan. On June 5, 2018, Duke Energy submits a revised Coal Pile Assessment Plan. On July 9, 2018, DWR Fayetteville Regional Office approves the revised Coal Pile Assessment Plan.
  - Duke Energy has yet to submit the updated CSA Report. DEQ and Duke Energy are in the process of developing submittal dates.
- Closure Status
  - Per G.S. 130A-309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. The W. H. Weatherspoon Power Plant was selected for beneficial reuse. G.S. 130A-309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
- NPDES permit NC0005363
  - Permit was issued August 3, 2018 and becomes effective November 1, 2018.
- SOC S18-006
  - SOC is in development. There is a potential the SOC may be reviewed by the EMC in November.

#### **Annual Groundwater Protection and Restoration Report Summary**

The Annual Groundwater Protection and Restoration Reports have been uploaded to the DEQ website <https://edocs.deq.nc.gov/WaterResources/Browse.aspx?startid=221202&dbid=0&cr=1>. Since the reports are very concise, they do not lend themselves to being summarized. The report does, however, summarize all groundwater sampling, protection, and restoration activities related to the impoundment for the preceding year.

#### **Annual Surface Water Protection and Restoration Report Summary**

The Annual Surface Water Protection and Restoration Reports have been uploaded to the DEQ website <https://edocs.deq.nc.gov/WaterResources/Browse.aspx?startid=221202&dbid=0&cr=1>. Since the reports are very concise, they do not lend themselves to being summarized. The report does, however, summarize all groundwater sampling, protection, and restoration activities related to the impoundment for the preceding year.

*Rest of Page Intentionally left blank*

## Division of Waste Management

**Duke facilities with industrial landfills** - The North Carolina Division of Waste Management's Solid Waste Section (Section) regulates industrial coal combustion residual landfills in accordance with 15A NCAC 13B .0500.

### Allen Steam Station – Gaston County (current coal fired)

- **3612-INDUS-2008:** Retired Ash Basin Landfill (open, double-lined, landfill constructed on top of retired ash basin)
  - Cell 2B currently receiving coal ash
  - Inspected April 23, 2018

### Belews Creek Steam Station – Stokes County (current coal fired)

- **8503-INDUS-1984:** Pine Hall Road Landfill (closed, unlined)
  - Inspected February 23, 2018
  - Groundwater Assessment: assessment request letter issued November 9, 2011, assessment work plan submitted February 9, 2012, work plan approval issued March 23, 2012, assessment report submitted October 1, 2012, final approval of assessment report May 2, 2016
- **8504-INDUS:** Craig Road Landfill (open, lined)
  - Permit to Operate (PTO), renewal issued November 28, 2017
  - Paste Demonstration Project for bromide sequestration authorized August 18, 2017, has been placed on hold pending additional information from the Division of Water Resources.
  - Groundwater Assessment: assessment request letter issued November 9, 2011, work plan submitted February 9, 2012, work plan approved March 23, 2012, assessment report submitted December 21, 2012, final assessment approval May 2, 2016
  - Inspected February 23, 2018
- **8505-INDUS:** Flue Gas Desulfurization (FGD) Landfill (open, lined)
  - The facility has been mining gypsum from landfill to meet wallboard production needs, thus increasing landfill capacity, since June 2015
  - PTO issued November 28, 2017
  - Groundwater Assessment: assessment request letter issued November 9, 2011, work plan submitted February 9, 2012, work plan approved March 23, 2012, assessment report submitted October 5, 2012, assessment response issued November 28, 2012, approved additional assessment work plan November 7, 2016; approved amendment to work plan on February 24, 2017; assessment report submitted May 31, 2017; DWM Solid Waste Section concurrence August 21, 2017. Revised report to assessment report issued April 25, 2018. Currently still undergoing assessment.
  - Inspected February 23, 2018

Dan River Steam Station – Rockingham County (retired coal-fired plant, converted to combined cycle turbine)

- **7906-INDUS-2016:** CCR Landfill (open, lined)
  - PTO, Permit to Construct (PTC) issued October 26, 2016
  - Coal Ash Management Act requires basin ash removal by December 31, 2019.
  - Basin ash to Waste Management Landfill, Jetersville, VA and to Roanoke Cement, Troutville, VA for concrete production, contract completed June 2017.
  - Cell 1 Operation authorized on May 30, 2017
  - First load of ash disposed in Cell 1 on May 31, 2017
  - Cell 2 Operation authorized on October 2, 2017
  - Pre-Operations Meeting for Cell 3 was held on May 8, 2018
  - Small slope failure, incident report submitted May 17, 2018, repairs completed
  - Inspected June 13, 2018

Mayo Steam Electric Plant – Person County (current coal fired)

- **7305-INDUS-2012:** CCR Landfill (open, double lined)
  - Groundwater Assessment: workplan submitted on December 31, 2017 and revised on February 23, 2017; workplan approval issued March 22, 2017; groundwater assessment status letter submitted January 17, 2018; response to status letter issued January 26, 2018; additional assessment workplan submitted July 20, 2018
  - Leachate Environmental Event Report August 16, 2017 (force main piping at blind flange)
  - Inspected September 7, 2017
  - Leachate Line leak investigation
    - Potential leak in leachate transfer vault area
    - Site visit April 12, 2018
    - Incident report submitted April 20, 2018
    - Investigation ongoing

Marshall Steam Station – Catawba County (current coal fired)

- **1804-INDUS-1983:** Dry Ash Landfill (closed, unlined)
  - Inspected April 24, 2018
  - Groundwater Assessment: assessment request letter issued November 9, 2011, assessment workplan submitted February 9, 2012, workplan approval issued March 23, 2012, assessment report issued July 12, 2012, final assessment approval issued May 2, 2016
- **1809-INDUS:** FGD Landfill (closed, lined)
  - Last received waste on October 16, 2015, 12-inch interim cover and established vegetation
  - PTO renewal issued December 20, 2016
  - Revised Closure and Post-Closure Plan approved on March 5, 2018
  - Inspected April 24, 2018

- Closure construction meeting/site visit – August 1, 2018
- Follow-up closure site visit – August 16, 2018
- Groundwater Assessment: assessment request letter issued November 9, 2011, assessment workplan submitted February 9, 2012, workplan approval issued February 20, 2012, assessment report issued December 21, 2012, final assessment approval issued May 2, 2016
- **1812-INDUS-2008:** Industrial Landfill #1 (open, double-lined)
  - Preconstruction meeting for PTC Cells 3 and 4 - February 9, 2017
  - Inspected April 24, 2018
  - Pre-operations Meeting for Cells 3 and 4 - May 30, 2018

Rodgers Energy Complex – Rutherford County (current coal fired)

- **8106-INDUS-2009:** CCR Landfill (open, lined)
  - PTO Phase I and II issued June 2016
  - Plant and basin ash to landfill (excavation basin units 1 through 4 completed in June 2017)
  - Inspected April 23, 2018
  - Approval of Phase 3 & 4 piezometer installation plan issued July 13, 2018

Roxboro Steam Electric Plant – Person County (current coal fired)

- **7302-INDUS-1988:** CCR Landfill (open, lined, constructed partially on top of retired ash basin)
  - PTO Vertical Expansion Phase 6 completed December 20, 2016
  - Groundwater Assessment: assessment request letter issued June 29, 2016; assessment response/report submitted September 28, 2016; final assessment approval issued June 23, 2017
  - Inspected October 2, 2017

Sutton Steam Electric Plant – New Hanover County (retired coal-fired plant, converted to combined cycle turbine)

- **6512-INDUS-2016:** CCR Landfill (open, lined)
  - PTC issued September 2016
  - CAMA requires basin ash removal by December 31, 2019
  - Basin ash via rail to the Brickhaven Structural Fill (1910-STRUC-2015) stopped when landfill operations began
  - First load of ash disposed in Cell 3 - July 7, 2017
  - First load of ash disposed in Cell 4 - September 11, 2017
  - Inspected November 15, 2017
  - Cell 5 Operation approved December 4, 2017
  - Cell 6 Operation approved February 7, 2018
  - Cells 7 and 8 Pre-Operation meeting May 16, 2018
  - Cells 7 and 8 Operations approved May 16, 2018

**Landfill off-site of power industry**

Halifax County Industrial Landfill – Halifax County Westmoreland Partners, Roanoke Valley Energy Plant (intermittently active coal-fired plant)

- 4204-INDUS-1994: Halifax County Coal Ash Landfill (open/inactive, lined)
  - Inspected June 20, 2018
  - Halifax County is coordinating with Westmoreland on closure of the landfill.

**Duke facilities without landfills**

Asheville Steam Electric Plant - Buncombe County (Duke Energy submitted plans to convert to combined cycle turbine to the N.C. Utilities Commission for approval in 2015.)

- The Asheville Airport Structural Fill DWR Distribution of Residual Solids (DORS) Permit #WQ0000452 has been used to construct three structural fills at the Asheville Airport.
- CAMA requires basin ash removal by December 31, 2019
- Ash excavation from 1982 basin completed in September 2016. Basin ash was sent by truck to the Rodgers Steam Plant and ended September 2016.
- Plant and basin (1964 Basin) ash sent by truck to Waste Management's Homer, GA landfill

Buck Steam Station – Rowan County (retired coal-fired plant, converted to combined cycle turbine)

- Site of Beneficiation Plant announcement December 2016
- Permitting process to begin Spring 2018
- Operations anticipated to begin Fall 2019

Cape Fear Steam Electric Plant – Chatham County (retired coal-fired plant, no electricity production)

- Site of Beneficiation Plant announced per CAMA June 2017
- Permitting process to begin Summer 2018
- Operations anticipated to begin Spring 2020

H.F. Lee Steam Electric Plant – Wayne County (retired coal-fired plant, converted to combined cycle turbine)

- Site of Beneficiation Plant announced per CAMA December 2016
- Permitting process to begin Summer 2018
- Operations anticipated to begin Summer 2020

Riverbend Steam Station – Gaston County (retired coal-fired facility, no electricity)

- CAMA requires basin ash removal by December 31, 2019
- Dry stack and basin ash via rail to Brickhaven Structural Fill (1910-STRUC-2015)
- Approximately 4.3 million tons of ash excavated as of April 2018
- Approximated completion of excavation November 2018

Weatherspoon Steam Electric Plant – Robeson County (retired coal-fired facility, no electricity)



- Basin ash trucked to beneficial reuse facilities in South Carolina began in Sept. 13, 2017. More than 140,000 tons excavated for reuse as of May 2018. Excavation basin ash is being sent to the Holcim facility in Holly Hill, SC and the Argos USA facility in Harleyville, SC.

**Coal Combustion Product (CCP) structural fills** - The Section regulates large structural fills (greater than 8,000 tons per acre or 80,000 tons per project) in accordance with CAMA and small structural fills in accordance with 15A NCAC 13B .1700.

Brickhaven No. 2, Mine Track “A,” 1910-STRUC-2015 – Chatham County

- Beneficial reuse: mine reclamation (ash allowed from any Duke plant)
- Owned/operated by Charah, Inc.
- The structural fill is permitted for an approximate footprint of 145 acres in size when completed and capacity of 12.5 million tons of ash airspace; the expected life of facility if all airspace is used is approximately eight years.
- Ash received from Sutton and Riverbend
- PTC/PTO issued June 5, 2015: ash sent by truck (October 2015) and by rail (March 2016).
- Last train load from Sutton on June 27, 2017
- Partial closure of Cell 1 – 18 acres closed
- Inspection March 5, 2018
- More than 6 million tons of ash has been placed in the structural fill in Cells 1, 2, and 6 as of March 2018
- When excavation activities conclude from Riverbend in late 2018, partial closure will begin.

Colon Mine Site – Lee County, 5306-STRUC-2015

- Beneficial reuse mine reclamation (ash allowed from any Duke plant)
- Owned/operated by Charah, Inc.
- Spans 118 acres, holds 8.87 million tons of ash.
- PTC issued on June 5, 2015. Construction has not started.

1117-STRUC-, Asheville Airport Area 2 – Buncombe County

- Area 2 PTO application withdrawn.
- Areas 1, 3 and 4 constructed (DWR DORS Permit #WQ0000452)
- Field Assessment of structural fill cap for Area 2 conducted May 2, 2018
- DWR will continue to be lead for the site; DWM will assist as needed

**Inventory of structural fills per Session Law 2014 122:**

<http://deq.nc.gov/about/divisions/waste-management/solid-waste-section/coal-combustion-byproducts>.

**Groundwater assessment and corrective action at structural fills**

Roxboro Steam Station Gypsum Storage Pad (CCB0003)

- Groundwater Assessment: assessment work plan submitted November 20, 2016; work plan approval issued December 6, 2016; assessment report submitted June 28, 2017
- Assessment ongoing

#### Belews Creek Steam Station Structural Fill (CCB0070)

- Groundwater Assessment: assessment work plan submitted November 7, 2016; work plan approval issued December 7, 2016; additional assessment approval (installation of well clusters) issued 5/26/17; time extension of assessment approval issued December 15, 2017; Groundwater Assessment Report submitted January 5, 2018; response to assessment report issued January 23, 2018
- Assessment ongoing

#### Swift Creek in Nash County (CCB0057)

- Corrective Action initiated Spring 2017
- In situ metals and dust sampling conducted September 6, 2017
- Corrective action project complete December 2017
- Final Cover and seeding completed January 2018.

#### Arthur's Creek/Henry Long Property in Northampton County (CCB0064)

- Surface water Assessment ongoing by Division of Water Resources. Notice of Violation issued on October 21, 2016 for impacts to wetlands and surface water
- Surface water sampling was conducted in Spring 2017 and 2018.

#### **Historic Ash Management Area**

##### 6806-INDUS- Eno Power Plant – historic coal ash storage area

- Inspection/Site Visit was performed on April 16, 2018
- Added to inventory database on April 30, 2018

*Rest of Page Intentionally left blank*

## **Division of Energy, Mineral, and Land Resources**

**Duke and other Company facilities with dams, construction development, industrial activities, and mining operations-** The North Carolina Division of Energy, Mineral, and Land Resources regulates industrial coal combustion residual landfills in accordance with CAMA as well as the State Dam Safety Law (NCGS 143-215.23), the Sedimentation Pollution Control Act (NCGS 113A-50), the Mining Act (NCGS 74-46), and the State Stormwater Program under the authority of multiple Session Laws along with their associated Administrative Code.

### **Allen Steam Station**

#### Dam Safety –

- Issued Certificate of Approval to Construct for Phase 2 Issued April 10, 2018.
- Issued multiple PE Delegations Approval on May 1, 2018.

Erosion and Sediment Control and Construction Storm Water – Nothing to report at this time.

### **Buck Steam Station**

Dam Safety – Nothing to report at this time

Erosion and Sediment Control and Construction Storm Water – Nothing to report at this time.

#### NPDES Storm Water

- The Draft Permit went to public notice on May 13, 2018 with the Public Hearing held on June 13, 2018. No comments were received on the Stormwater Permit on January 10, 2018 - Letter with additional detail for storm water outfalls and updated site info. The comment period ended on June 20, 2018.

### **Cliffside Steam Station**

#### Dam Safety

- “As-Built” drawings for Vegetation Removal were received on Jun 14, 2018. The “As-Built” inspection was completed on June 12, 2018 and Final Approval was issued on June 14, 2018. (CLEVE-047)
- The “As-Built” for Dam Modification-Excavation of Ash was received on May 29, 2018. The “As-Built” inspection was performed on June 12, 2018 with Final Approval issued on June 14, 2018. (CLEVE-047)
- A revised Phase 2 to construct a new waste-water storabe basin within the dam was received on April 3, 2018. The Approval to Modify for this phase 2 was issued on April 10, 2018. This work also had multiple PE Delegation to be approved on May 1, 2018. (CLEVE-047)

- “As-Built” drawings for CAMA Rule G.W. instrumentation installation for CLEVE-049 were received on May 9, 2018. The “As-Built” inspection occurred on June 12, 2018 with Final Approval issued on June 14, 2018.
- Final Approval of the Outfall pipe point and riser repair for RUTHE-070 was issued on April 2, 2018.

Erosion and Sediment Control and Construction Storm Water – No activity at this time.

NPDES Storm Water- Nothing to report at this time.

## **Marshall Steam Station**

### **Dam Safety**

- A submittal for CAMA Rule ground water instrumentation installation for CATAW-054 was received on March 29, 2018. It was approved on April 3, 2018.
- Multiple PE Delegations were approved on the New Holding Basin dam on May 1, 2018. Interim Approval to impound water was issued on June 6, 2018.
- Multiple PE Delegations were approved on the New Retention Basin dam on May 1, 2018. Interim Approval to impound water was issued on June 6, 2018.
- A request for jurisdiction and hazard class was received for the new permanent stormwater pond for beneficiation (SW West Pond) on May 8, 2018. Due to size and Low Hazard classification, this dam was exempted on May 10, 2018.
- A request for jurisdiction and hazard class was received for the new permanent stormwater pond for beneficiation (SW East Pond) on May 8, 2018. Due to size and Low Hazard classification, this dam was exempted on May 10, 2018.

Erosion and Sediment Control and Construction Storm Water – No activity at this time.

### **NPDES Storm Water**

- Information package was received on May 11, 2018, from Duke regarding the Diversion Channel Application.

## **Riverbend Steam Station**

### **Dam Safety –**

- “As-Built” drawings were receive for removal of vertical extension of the dam to enable removal of underlying CCR were received on April 10, 2018. The “As-Built” inspection for this was performed on April 16, 2018 with Final Approval issued on June 7, 2018.(GASTO-097)
- Submittal for dam decommissioning was received on March 19, 2018. A request for additional information was sent to Duke on April 26, 2018. Approval to Breach was issued on June 7, 2018. (GASTO-097)
- Submittal for dam decommissioning was received on March 19, 2018. A request for additional information was sent to Duke on April 26, 2018. Approval to Breach was issued on June 7, 2018. (GASTO-098)

Erosion and Sediment Control and Construction Storm Water –

- GASTO-2016-020 & GASTO-2016-021 inspected 2/22/2018-closed.
- GASTO-2014-012 inspected 2/22/2018, compliant.

NPDES Storm Water- Nothing to report at this time.

**Belews Creek Steam Station**

Dam Safety

- Revised Phase 2 submittal on Construction of a new wastewater retention basin was received on April 4, 2018. The Approval to Construct was issued on April 18, 2018. Multiple PE Delegations Approval was issued on May 1, 2018. An interim approval to impound was issued on May 15, 2018.
- The new wastewater holding basin received an interim approval to impound on May 15, 2018 and approval of multiple PE delegations on May 1, 2018.

Erosion and Sediment Control and Construction Storm Water – Nothing to report at this time.

NPDES Storm Water- Nothing to report at this time.

**Dan River Steam Station**

Dam Safety

- “As-Built” to Install eight CCR Rule GW monitoring wells for ROCKI-237 were received on April 16, 2018 and the Final Approval was issued on April 18, 2018.
- Submittal for grouting and abandoning the existing spillway and removal of CCR as part of Decommission Sequence B was submitted on June 6, 2018 with additional information being request by DEQ on June 7, 2018.(ROCKI-238)
- A submittal for Jurisdictional Determination / Re-Classification on ROCKI-242 was received on May 18, 2018. The Hazard Classification of this dam was lowered to Low Hazard on May 23, 2018.

Erosion and Sediment Control and Construction Stormwater –

- Duke Energy Dan River Phase 2 (ROCKI-2014-008) March 22, 2018 Erosion and Sediment Control Inspection
- Dan River Landfill Construction (ROCKI-2016-003) March 22, 2018, Erosion and Sediment Control Inspection
- Duke Energy Dan River Landfill Cut 2/3/4 Borrow Area (ROCKI-2018-002) March 22, 2018. Erosion and Sediment Control Inspection

### **Sutton Power Station**

Dam Safety – No activity to report at this time.

Erosion and Sediment Control and Construction Storm Water – No activity to report at this time.

NPDES Storm Water- Nothing to report at this time.

### **Cape Fear Power Station**

Dam Safety – No activity to report at this time.

Erosion and Sediment Control – No activity to report at this time.

NPDES Storm Water- Nothing to report at this time.

### **Mayo Power Station**

#### **Dam Safety**

- A revised Phase 2 plan to construct a new FGD retention pond was received on April 4, 2018. Approval to construct was issued on April 18, 2018. Also, this dam received multiple PE delegation approval on May 1, 2018.(PERSO-TBD)
- A revised Phase 2 plan to construct a new retention basin was received on April 4, 2018. Approval to construct was issued on April 18, 2018. Also, this dam received multiple PE delegation approval on May 1, 2018.(PERSO-TBD)
- 

Erosion and Sediment Control – No activity to report at this time.

NPDES Storm Water- Nothing to report at this time.

### **Roxboro Power Station**

#### **Dam Safety**

- A third request for additional information on Hyco Lake DMA spillway cracks and holes repair was provided to Duke via conference call and email on May 9, 2018 and May 17, 2018. (PERSO-002)
- A repair modification request for vegetation removal from the emergency spillway was received on April 23, 2018. A request for additional information was sent to Duke via email on May 17, 2018. (PERSO-002)
- Approval to repair for modification to lower bench for piping installation on PERSO-033 was issued on March 19, 2018.
- The new wastewater retention basin receive approval of multiple PE delegation on May 1, 2018. The revised submittal to construct this basin was received on April 4, 2018. Approval to construct (addendum 1) was issued on April 18, 2018.

Erosion and Sediment Control- Not activity to report at this time.

NPDES Storm Water- Nothing to report at this time.

### **Brickhaven No 2. Tract “A”**

Dam Safety – Nothing to Report at this time

Erosion and Sediment Control - Nothing to report at this time

Mining – Nothing to report at this time

NPDES Storm Water- Nothing to report at this time.

### **Colon Mine Permit 53-05**

Dam Safety – Nothing to Report at this time

Erosion and Sediment Control - Nothing to report at this time

Mining - Nothing to report at this time

NPDES Storm Water- Nothing to report at this time.

### **Weatherspoon Power Station**

Dam Safety

- An additional information request was sent to Duke on construction of a new emergency spillway on April 3, 2018. A revised submittal was received on June 6, 2018 and found incomplete. A submittal was received to install groundwater monitoring wells on April 19, 2018 with approval issued on April 19, 2018.(ROBES-004)

Erosion and Sediment Control & Storm Water Combined - Nothing to report at this time.

NPDES Storm Water- Nothing to report at this time.

### **H.F. Lee Power Station**

Dam Safety-

- “As-Built” plans were received for pipe repair on WAYNE-009 on March 19, 2018. The inspection for this was completed on April 5, 2018. A request for additional information was sent to Duke on April 10, 2018.

Erosion and Sediment Control & Storm Water Combined

- Conference call concerning Beneficiation project between DEMLR and Duke - April 19, 2018

### **Asheville Power Station**

Dam Safety

- Received addendum for Phase 1 on April 2, 2018. Certificate of Approval to Repair for Phase I was issued with stipulations on April 4, 2018 for capping the ends of the existing public water line and replacing the 4' line and raising ASHE-137.

- Backfill completion of the exploration and abandonment of the 66" CMP on April 3, 2018.
- "As-Built" for the Duck Pond Riser modification to increase riser height (ASHE-131) was received on April 23, 2018 and Final Approval of Repair was issued on May 22, 2018.

Erosion and Sediment Control & Storm Water Combined –

- May 14, 2018 Approved BUNCO-2018-005 Duke Groundwater Assessment Plan.

**Dam Status**

Plant Name	NAME	NC STATE-ID	DAM STATUS
Allen Steam Station	Allen Active Ash Basin Dam	GASTO-061	ACTIVE
Allen Steam Station	Allen Inactive Ash Basin Dam	GASTO-016	INACTIVE
Allen Steam Station	Allen Retention Basin Dam	GASTO-TBD	ON-GOING CONSTRUCTION
Asheville Steam Electric Plant	Asheville Lake Julian Dam	BUNCO-088	ACTIVE
Asheville Steam Electric Plant	Asheville 1982 Ash Pond Dam	BUNCO-089	DECOMISSIONED
Asheville Steam Electric Plant	Asheville 1964 Ash Pond Dam	BUNCO-097	ACTIVE
Asheville Steam Electric Plant	Asheville Retention Basin Dam	BUNCO-TBD	PROPOSED CONSTRUCTION
Belews Creek Steam Station	Belews Creek Active Ash Basin Dam	STOKE-116	ACTIVE
Belews Creek Steam Station	Belews Lake Main Dam	ROCKI-236	ACTIVE
Belews Creek Steam Station	Belews Lake Saddle Dam #1	STOKE-117	ACTIVE
Belews Creek Steam Station	Belews Lake Saddle Dam #2	STOKE-118	ACTIVE
Belews Creek Steam Station	Belews Lake Saddle Dam #3	STOKE-119	ACTIVE
Belews Creek Steam Station	Belews Lake Saddle Dam #4	ROCKI-235	ACTIVE
Belews Creek Steam Station	Belews Creek Chemical Pond Dam	STOKE-115	ACTIVE
Belews Creek Steam Station	Belews Creek Retention Basin Dam	STOKE-TBD	ON-GOING CONSTRUCTION
Belews Creek Steam Station	Belews Creek Holding Basin Dam	STOKE-TBD	ON-GOING CONSTRUCTION
Buck Combined Cycle Station	Buck Steam Station Main Ash Basin Dam (#3)	ROWAN-047	ACTIVE
Buck Combined Cycle Station	Buck Steam Station New (Additional Primary) Dam	ROWAN-068	ACTIVE
Buck Combined Cycle Station	Buck Steam Station Basin 1 to Basin 2 Dam	ROWAN-069	ACTIVE



Buck Combined Cycle Station	Buck Steam Station Basin 2 to Basin 3 Dam	ROWAN-070	ACTIVE
Buck Combined Cycle Station	Buck Steam Station Divider Dam	ROWAN-071	ACTIVE
Buck Combined Cycle Station	Buck Steam Station Fuel Containment Dam	ROWAN-072	ACTIVE
Buck Combined Cycle Station	Buck SW Wet Pond (Proposed)	ROWAN-TBD	ON-GOING CONSTRUCTION
Buck Combined Cycle Station	Buck SW Dry Pond (Proposed)	ROWAN-TBD	ON-GOING CONSTRUCTION
Cape Fear Steam Electric Plant	Buckhorn Lake Dam	CHATH-022	ACTIVE
Cape Fear Steam Electric Plant	Cape Fear 1956 Ash Pond Dam (Inactive)	CHATH-075	INACTIVE
Cape Fear Steam Electric Plant	Cape Fear 1963 Ash Pond Dam (Inactive)	CHATH-076	INACTIVE
Cape Fear Steam Electric Plant	Cape Fear 1970 Ash Pond Dam (Inactive)	CHATH-077	INACTIVE
Cape Fear Steam Electric Plant	Cape Fear 1978 Ash Pond Dam	CHATH-078	ACTIVE
Cape Fear Steam Electric Plant	Cape Fear 1985 Ash Pond Dam	CHATH-079	ACTIVE
Cape Fear Steam Electric Plant	Cape Fear Flood Control Dam (Exempted by HB 119 (L))	CHATH-080	ACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside River Dam (Exempted by HB 119 (L))	CLEVE-053	ACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Inactive Ash Basin #5 Main Dam	RUTHE-070	INACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Inactive Ash Basin #5 Saddle Dam	RUTHE-072	INACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Active Ash Basin Upstream Dam	CLEVE-050	ACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Active Ash Pond Downstream Dam	CLEVE-049	ACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Inactive Ash Basin 1-4 Main Dam	CLEVE-047	ON-GOING CONSTRUCTION
James E. Rogers Energy Complex	Cliffside Active Ash Basin Internal Dam	CLEVE-054	ACTIVE

(Cliffside Steam Station)			
Dan River Combined Cycle Station	Dan River Active Primary Ash Basin Dam	ROCKI-237	ON-GOING DECOMISSION
Dan River Combined Cycle Station	Dan River Active Secondary Ash Basin Dam	ROCKI-238	ON-GOING DECOMISSION
Dan River Combined Cycle Station	Dan River Plant Service Water Pond Dam	ROCKI-241	ACTIVE
Dan River Combined Cycle Station	Dan River Plant River Dam	ROCKI-239	ACTIVE
H.F. Lee Energy Complex	H.F. Lee Power Station Cooling Lake Dam	WAYNE-009	ACTIVE
H.F. Lee Energy Complex	H.F. Lee Active Ash Pond Dam	WAYNE-022	ACTIVE
H.F. Lee Energy Complex	H.F. Lee Ash Pond 1 Dam (Inactive)	WAYNE-031	INACTIVE
H.F. Lee Energy Complex	H.F. Lee Ash Pond 2 Dam (Inactive)	WAYNE-032	INACTIVE
H.F. Lee Energy Complex	H.F. Lee Ash Pond 3 Dam (Inactive)	WAYNE-033	INACTIVE
H.F. Lee Energy Complex	H.F. Lee Permanent SW Pond	WAYNE-TBD	ON-GOING CONSTRUCTION
H.F. Lee Energy Complex	H.F. Lee Triangular Pond Dam	WAYNE-034	ACTIVE
Marshall Steam Station	Marshall Active Ash Basin Dam	CATAW-054	ACTIVE
Marshall Steam Station	Marshall Retention Basin Dam	CATAW-TBD	ON-GOING CONSTRUCTION
Marshall Steam Station	Marshall Holding Basin Dam	CATAW-TBD	ON-GOING CONSTRUCTION
Marshall Steam Station	Marshall SW West Pond	CATAW-TBD	ON-GOING CONSTRUCTION
Marshall Steam Station	Marshall SW East Pond	CATAW-TBD	ON-GOING CONSTRUCTION
Mayo Steam Electric Plant	Mayo Lake Dam	PERSO-034	ACTIVE
Mayo Steam Electric Plant	Mayo Ash Pond Dam	PERSO-035	ACTIVE
Mayo Steam Electric Plant	Mayo FGD Settling Pond (Exempted by HB 119)	PERSO-036	ACTIVE
Mayo Steam Electric Plant	Mayo FGD Flush Pond (Exempted by HB 119)	PERSO-037	ACTIVE
Mayo Steam Electric Plant	Mayo Coal Pile Dam	PERSO-046	ACTIVE
Mayo Steam Electric Plant	Mayo FGD Settling Pond	PERSO-TBD	ON-GOING CONSTRUCTION
Mayo Steam Electric Plant	Mayo Retention Basin Dam	PERSO-TBD	ON-GOING CONSTRUCTION
Riverbend Steam Station	Riverbend Active Ash Basin Dam 1 (Primary)	GASTO-097	ON-GOING DECOMISSION

Riverbend Steam Station	Riverbend Active Ash Basin Dam 2 (Secondary)	GASTO-098	ON-GOING DECOMISSION
Riverbend Steam Station	Riverbend Ash Basin Intermediate Dam	GASTO-099	REMOVED
Riverbend Steam Station	Riverbend Fuel Containment Dam	GASTO-099	REMOVED
Roxboro Steam Electric Plant	Lake Hyco Dam	PERSO-002	ACTIVE
Roxboro Steam Electric Plant	Roxboro Afterbay Dam	PERSO-013	ACTIVE
Roxboro Steam Electric Plant	Roxboro West Ash Pond Dam	PERSO-038	ACTIVE
Roxboro Steam Electric Plant	Roxboro West Ash Pond South Rock Filter Dam	PERSO-039	ACTIVE
Roxboro Steam Electric Plant	Roxboro West FGD Settling Pond Dam	PERSO-040	ACTIVE
Roxboro Steam Electric Plant	Roxboro East FGD Settling Pond Dam	PERSO-041	ACTIVE
Roxboro Steam Electric Plant	Roxboro FGD Forward Flush Pond Dam	PERSO-042	ACTIVE
Roxboro Steam Electric Plant	Roxboro East Ash Pond Dam	PERSO-033	ACTIVE
Roxboro Steam Electric Plant	Roxboro Intake Pond Dam	PERSO-043	ACTIVE
Roxboro Steam Electric Plant	Roxboro Retention Basin Dam	PERSO-TBD	ON-GOING CONSTRUCTION
Roxboro Steam Electric Plant	Roxboro Holding Basin Dam	PERSO-TBD	ON-GOING CONSTRUCTION
L. V. Sutton Energy Complex	Sutton 1984 Ash Pond Dam	NEWHA-005	ON-GOING DECOMISSION
L. V. Sutton Energy Complex	Sutton 1971 Ash Pond Dam	NEWHA-004	ON-GOING DECOMISSION
L. V. Sutton Energy Complex	Sutton 1972 Cooling Pond (Exempted by HB 119)	NEWHA-003	ACTIVE
W. H. Weatherspoon Power Plant	Weatherspoon Plant Cooling Lake Dam	ROBES-004	ACTIVE
W. H. Weatherspoon Power Plant	Weatherspoon 1979 Ash Pond Dam	ROBES-009	ACTIVE